

PATENT COOPERATION TREATY
PCT
INTERNATIONAL SEARCH REPORT
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 040936PC	FOR FURTHER ACTION <div style="display: flex; justify-content: space-between;">see Form PCT/ISA/220 as well as, where applicable, item 5 below.</div>	
International application No. PCT/AU2004/001080	International filing date (day/month/year) 12 August 2004	(Earliest) Priority Date (day/month/year) 15 August 2003
Applicant PROTEGY LIMITED et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of **4** sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.
2. ☐ Certain claims were found unsearchable (See Box No. II).
3. ☐ Unity of invention is lacking (See Box No. III).
4. With regard to the title,
- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:
5. With regard to the abstract,
- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. With regard to the drawings,
- a. the figure of the drawings to be published with the abstract is Figure No. **2**.
- ☒ as suggested by the applicant.
- ☐ as selected by this Authority, because the applicant failed to suggest a figure.
- ☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001080

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C25B 1/04; C01B 3/02, 3/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC C25B 1/04, C01B 3/02, 3/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI: IPC as above with key words steam, vapo+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	WO 2000/017418 A1 (The Regents of the University of California), 30 March 2000 Whole Document	1 2- 10
X Y	GB 1490650 A (Blum P.), 2 November 1977 Whole Document	1 2- 10
X Y	GB 2010333 A (Kernforschungsanlage Julich GmbH), 27 June 1979 Page 1, lines 102- page2, line3; page 2, line 119- page 3, line 8; page 3 lines 87- 99	1 2- 10
X Y	WO 1994/012690 (Lasich J), 9 June 1994 Page 3, line 29- page 4, line 24; page 9, line 11- page 10, line 3; claim 3	1 2- 10



Further documents are listed in the continuation of Box C



See patent family annex

* Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
19 October 2004Date of mailing of the international search report
27 OCT 2004

Name and mailing address of the ISA/AU

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001080

C (Continuation).

DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	EP 1006078 A1 (Yosohiro S et al.), 7 June 2000 Page 4, paragraph 20; Page 11, paragraphs 56, 57; Claims 1, 4	1 2- 10
X Y	DE 3101210 A1 (Dornier System GmbH.), 29 July 1982 & Derwent Abstract Accession No. 63841 E/31, Class E36, J03 Whole Document	1 2- 10
X Y	DT 2549471 A1 (Dornier System GmbH), 12 May 1977 & Derwent Abstract Accession No. 34643Y/20 Class E36, J03 Whole Document	1 2- 10
X Y	Derwent Abstract Accession No. 2000- 497491/44, Class E36, J03, PT 102238 A (Ramirez Garcia J.), 31 July 2000 Abstract	1 2- 10
X Y	Derwent Abstract Accession No. 47774B/26, Class E36, J03, JP 54-061088 A (Hitachi Shipbld Eng KK), 17 May 1979 Abstract	1 2- 10
X Y	Derwent Abstract Accession No. 47775B/26, Class E36, J03, JP 54-061089 A (Hitachi Shipbld Eng KK), 17 May 1979 Abstract	1 2- 10
X Y	Derwent Abstract Accession No. 33534 K/14, Class E36, J03, JP 58034183 A (Arakawa T), 28 February 1983 Abstract	1 2- 10
X Y	Derwent Abstract Accession No. 94-084061/11, Class X25, CN 1072465 A (Zheng J), 26 May 1993 Abstract	1 2- 10
P, X P, Y	Derwent Abstract Accession No. 2004-548082/53, Class E36, H06, L03, JP2004210597 A (Toshiba KK), 29 July 2004 Abstract	1 2- 10
X	"Physical Chemistry" 3 rd Ed. P.W. Atkins, Oxford University Press, 1986. ISBN 0-19-855196-7. pp 221- 222; 699	1
Y	WO 2000/070699 (Protegy Limited), 23 November 2000 Whole Document	2- 10
	WO 2000/070699 may be combined with any one documents 2004-548082/53, 94- 084061/11, 33534 K/14, 47775B/26, 47774B/26, 2000- 497491/44, DE 2549471, DE 3101210, EP 1006078, WO 1994/012690, GB 2010333, GB 1490650, WO 2000/017418 to disclose all of the features of the claims.	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001080

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO	0017418	AU	56961/99	CA	2345070
		US	6051125	EP	1115908
GB	1490650	DE	2558546	FR	2296703
		JP	51098683	FR	2332340
				SE	7514716
GB	2010333	DE	2756569	US	3993653
WO	9412690	FR	2411898	JP	54089993
		AU	55539/94	AU	71938/98
		EP	0927857	EP	0670915
				US	5658448
EP	1006078	AU	72366/98	US	5973825
		CA	2289666	JP	2002193601
		WO	9851612		
DE	3101210	NIL			
DE	2549471	NIL			
PT	102238	NIL			
JP	54061088	NIL			
JP	54061089	NIL			
JP	58034183	NIL			
CN	1072465	NIL			
JP	2004210597	NIL			
WO	0070699	AU	45235/00	EP	1224704
				NZ	516034
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					